

Remarks

The above amendments and these remarks are in reply to the Office action mailed June 30, 2004. Claims 1, 3, 6-8, 11, 24, 25, and 47 have been amended. Claims 1- 8, 11, 13 - 17, 19, 21, 24, 25, and 47 are presented herewith for consideration.

I. Formality Objections

Claims 1-8, 11, 13-19, 21, 24, 25, and 47 were objected to for various informalities.

Claim 1 has been amended to recite that "said position detection circuitry detects a position of said at least one proof mass." It is respectfully submitted that the amendment overcomes the objection that the proof mass is not operatively related to the position detection circuitry.

Claim 3 has been amended to recite "at least one switch" and a "first position" and "second position" of the switch as means for "operating over a first non-overlapping time period" and "operating over a second non-overlapping period." It is respectfully submitted that the amendment overcomes the objection that the claim recites a step of operating the device.

Claim 6 has been amended to recite "feedback circuit" in place of "feedback" and that the "feedback circuit is a time multiplexed feedback circuit." It is respectfully submitted that the amendment overcomes the objection that the claim recites a desired result.

Claim 7 has been amended to recite "feedback circuit" in place of "feedback" and that the "feedback circuit is a frequency multiplexed feedback circuit." It is respectfully submitted that the amendment overcomes the objection that the claim recites a desired result.

Claim 8 has been amended to recite "feedback circuit" in place of "feedback" and that the "feedback circuit is a continuous-time feedback circuit." It is respectfully submitted that the amendment overcomes the objection that the claim recites a desired result.

Claim 11 has been amended to recite "means for providing a compensation charge on each said sense capacitor." It is respectfully submitted that the amendment overcomes the objection that the claim recites a desired result.

Claim 18 has been cancelled.

Claim 24 has been amended to recite "means for applying a first signal to said feedback circuit." It is respectfully submitted that the amendment overcomes the objection that the claim recites a desired result.

Claim 25 has been amended to recite "means for applying a second signal to said feedback

circuit.” Claim 25 has further been amended to depend from claim 24. It is respectfully submitted that the amendment overcomes the objection that the claim recites a desired result and any antecedent basis issues.

II. Conclusion

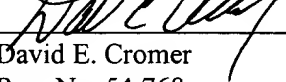
Based on the above amendments and these remarks, reconsideration of claims 1- 8, 11, 13 – 17, 19, 21, 24, 25 and 47 is respectfully requested. It is respectfully submitted that all claims are in condition for allowance and unobjectionable after entry of the present amendments and remarks.

The Examiner’s prompt attention to this matter is greatly appreciated. Should further questions remain, the Examiner is invited to contact the undersigned attorney by telephone.

The Commissioner is authorized to charge any underpayment or credit any overpayment to Deposit Account No. 501826 for any matter in connection with this response, including any fee for extension of time, which may be required.

Respectfully submitted,

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